

DT01 Rec'd PCT/PTC 17 DEC 2004
AMENDMENTS TO THE CLAIMS

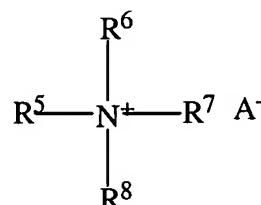
This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1-15. (Cancelled).

16. (New) A method of treating textiles for cleaning, the method comprising:

a) applying to the textile an additive selected from the group consisting of a polydialkyl diallyl ammonium salt, copolymers of dialkyl diallyl ammonium salts, a quaternary ammonium compound having the formula:



where R⁵ and R⁶ are alkyl groups containing 16 to 22 carbon atoms or groups with the formula R⁹CO(XC_nH_{2n})_a, where R⁹CO is a linear acyl group containing 16 to 22 carbon atoms,

X is oxygen or -NH-,

n=2 or 3,

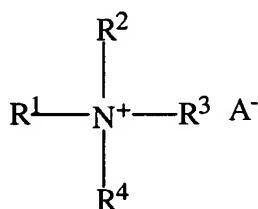
a=1-4,

R⁷ has the same meaning as R⁵ and R⁶ or is an alkyl group containing 1 to 4 carbon atoms and

R⁸ is an alkyl group containing 1 to 4 carbon atoms or a hydroxyalkyl group containing 2 to 4 carbon atoms, and

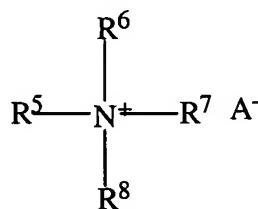
A^- is selected from the group consisting of a halide, a methoxysulfate anion, a methoxyphosphate anion; and derivatives and mixtures thereof; and

- b) applying a water-containing preparation comprising:
- i) an antimicrobial agent selected from the group consisting of aldehydes, aldehydes derivatives, phenols, phenol derivatives, amides, amide derivatives, amines, amine derivatives, quaternary ammonium compounds having the formula:



where R^1 is an alkyl group containing 6 to 16 carbon atoms, R^2 is an alkyl group containing 1 to 12 carbon atoms or a benzyl group, R^3 and R^4 are alkyl groups containing 1 to 4 carbon atoms or hydroxyalkyl groups containing 2 to 4 carbon atoms, and A^- is selected from the group consisting of a halide, a methoxysulfate anion, and a methoxyphosphate anion; and

- ii) textile an additive selected from the group consisting of a polydialkyl diallyl ammonium salt, copolymers of dialkyl diallyl ammonium salts, a quaternary ammonium compound having the formula:



where R⁵ and R⁶ are alkyl groups containing 16 to 22 carbon atoms or groups with the formula R⁹CO(XC_nH_{2n})_a, where R⁹CO is a linear acyl group containing 16 to 22 carbon atoms,

X is oxygen or -NH-,

n=2 or 3,

a=1-4,

R⁷ has the same meaning as R⁵ and R⁶ or is an alkyl group containing 1 to 4 carbon atoms and

R⁸ is an alkyl group containing 1 to 4 carbon atoms or a hydroxyalkyl group containing 2 to 4 carbon atoms, and

A⁻ is selected from the group consisting of a halide, a methoxysulfate anion, a methoxyphosphate anion; and derivatives and mixtures thereof.

17. (New) The method of claim 16, wherein the antimicrobial agent is present from about 5 to about 30 wt. %, and the additive is present from about 5 to about 50 wt. %.

18. (New) The method of claim 16, wherein the antimicrobial agent is selected from the group consisting of formaldehyde, glutaraldehyde, glyoxal, dimethyl didecyl ammonium compounds, dimethyl dioctyl ammonium compounds, benzalkonium ammonium compounds, alkylamines having the formula

R¹⁰-NH-(CH₂)₃NH₂,

alkylamines having the formula

R¹⁰-N-[(CH₂)₃NH₂]₂,

where R¹⁰ is a C₈₋₁₈ alkyl group, and

the reaction product of glutamic acid with alkyl propylenediamine known commercially as Glucoprotamin®.

19. (New) The method of claim 16, further comprising other additives selected from the group consisting of surfactants, flow controllers, complexing acids, acids, organic solvents, solubilizers, dyes, perfumes, and mixtures thereof.